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Basic Study

Reabsorption of iron into acutely damaged rat liver: A role for ferritins

Ihtzaz Ahmed Malik, Jörg Wilting, Giuliano Ramadori, Naila Naz

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22 May 2017 ... Because of iron's ability to cause oxidative damage, its transport, metabolism, ... Iron plays a major role in acute kidney injury and has been a target for ... Targeting iron trafficking via ferritin, ferroportin, or hepcidin may offer new insights ... Heme oxygenases (HOs) degrade heme to release free iron into the ...

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9 Sep 2013 ... Ferritin plays a central role in iron metabolism and is made of 24 ... was to investigate the role of FtH in acute kidney injury (AKI) and renal iron ... of iron into the ferritin shell and thereby attenuating participation of free ... Conditional deletion of ferritin H in mice induces loss of iron storage and liver damage.

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6 Jan 2005 ... Release of hemoglobin into plasma is a physiological phenomenon ... serum iron and ferritin levels than the Hp(2-1) and Hp(1-1) types. ... In the liver, iron content was similar in wild-type and Hp-null mice at all ... Hemoglobin- and myoglobin- induced acute renal failure in rats: role of iron in nephrotoxicity.

[\[PDF\] Anti-inflammatory role of naringenin in rats with ethanol induced ...](http://www.ugcfrp.ac.in/images/userfiles/45146-5.pdf)

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6) also plays an important role in hepatic acute phase ... Rats were divided into four groups, groups 1 and 2 received isocaloric glucose; groups 3 and ... transaminases, iron, ferritin, transforming growth factor-alpha (TNF-α), interleukin -6 (IL-6), nuclear ... Keywords: Naringenin, liver damage, ethanol, inflammatory markers.

[Differential Regulation of Ferritin Subunits and Iron Transport ...](#)



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Proximal tubule H-ferritin mediates iron trafficking in acute kidney injury

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作者: A Zarjou - 2013 - 被引用次数: 47 - 相关文章

2013年9月9日 - Ferritin plays a central role in iron metabolism and is made of 24 ... The purpose of this study was to investigate the role of FtH in acute kidney injury (AKI) and renal iron ... iron into the ferritin shell and thereby attenuating participation of free ... in the kidneys and, to a lesser extent, the livers of FtH^{PT-/-} mice.

Plasma Protein Haptoglobin Modulates Renal Iron Loading - NCBI - NIH

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作者: S Fagoonee - 2005 - 被引用次数: 81 - 相关文章

2005年1月6日 - Release of hemoglobin into plasma is a physiological phenomenon ... serum iron and ferritin levels than the Hp(2-1) and Hp(1-1) types. In the liver, iron content was similar in wild-type and Hp-null mice at all Hemoglobin- and myoglobin-induced acute renal failure in rats: role of iron in nephrotoxicity.

Mineral Tolerance of Animals: Second Revised Edition, 2005

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Proximal tubule H-ferritin mediates iron trafficking in acute kidney injury

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2013年9月9日 - Ferritin plays a central role in iron metabolism and is made of 24 ... was to investigate the role of FtH in acute kidney injury (AKI) and renal iron ... iron into the ferritin shell and thereby attenuating participation of free ... FtH in whole-liver lysates from FtH^{PT+/+} and FtH^{PT-/-} mice (Figure 1, B and C).

Mineral Tolerance of Animals: Second Revised Edition, 2005

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National Research Council, Division on Earth and Life Studies, Board on Agriculture and Natural Resources - 2006 - Technology & Engineering

Iron in excess of need is stored intracellularly as ferritin and hemosiderin, principally in the macrophage system of the liver, spleen, and bone marrow (Fairbanks, 1994). ... Experimental acute iron loading of cultured (beating) rat myocardial cells ... damage and rupture, releasing damaging lysosomal digestive enzymes into ...

[PDF] Effect of Nerium oleander (NO) Leaves Extract on Serum hepcidin ...

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作者: MH Abbasi - 2013 - 被引用次数: 4 - 相关文章

Serum hepcidin, Total Iron, and Infiltration of ED1 Positive ... To gain insight into the hepatohistological alterations in noninjured rat liver, ... and supplements is considered to play a role in the onset ...

Creative Diagnostics (NY, USA), and Serum ferritin kit pack ... effects and provided a model of acute